IN THE CLAIMS

Please make the following claim substitutions:

1. – 11. (Canceled)

12. (Currently amended) A method for use in a node of a network comprising the steps of:

storing location information of other nodes of the network, wherein said location information comprises a global position represented by at least two coordinates,

exchanging the stored location information with adjacent nodes of the network, and

wherein said node stores a local topology having at least one other node with a continually changing position, and said node stores said location information of other nodes within and outside of said local topology.

13. (Previously presented) The method of claim 12, wherein said node uses a geometry-based routing protocol to transmit said location information to nodes outside of said local topology.

14. (Previously presented) The method of claim 13, wherein said node determines a distance from a destination node outside of said local topology to nodes in said local topology using said geometry-based routing protocol and said location information to identify the closest node in said local topology for routing to said destination node.

15. (Previously presented) The method of claim 12, wherein said node determines said coordinates from information received from a global positioning system.

16. (Canceled)

17. (Previously presented) The method of claim 12, said local topology of said node being nodes located within a predetermined number of hops from said node.

18. (Previously presented) The method of claim 17, wherein said local topology

of said node comprises a first set of nodes having a point-to-point link to said node and a second set of nodes having a point-to-point link to a node in said first set of nodes.

19. (Canceled)

20. (New) A method of creating a local topology of a node in a network comprising the steps of:

identifying direct neighbors of said node, said direct neighbors being a subset of nodes within hearing distance of said node;

constructing point-to-point links from said node to at least some of said direct neighbors;

transmitting information about a location of said direct neighbors to other nodes of the network, wherein said location information includes a global position represented by at least two coordinates.

21. (New) The method of claim 20, wherein the step of identifying direct neighbors further comprises the step of collecting global position information of nodes.

22. (New) The method of claim 21, wherein the step of collecting global position information further comprises the step of selecting nodes for said point-to-point links as a function of said global position information.

23. (New) The method of claim 20, wherein said information about said location of said direct neighbors further includes information indicating an age of the location information of at least some of the nodes of the network.

24. (New) The method of claim 20, wherein said transmitting step is repeated periodically.

25. (New) A method of updating a local topology of a node in a network comprising the steps of:

identifying direct neighbors of said node, said direct neighbors being a subset of nodes within hearing distance of said node;

constructing point-to-point links from said node to at least some of said direct

neighbors;

transmitting, at different times, information about a location of said direct neighbors to other nodes of the network, wherein said location information includes a global position represented by at least two coordinates.

26. (New) The method of claim 25, wherein the step of identifying direct neighbors further comprises the step of collecting global position information of nodes.

27. (New) The method of claim 26, wherein the step of collecting global position information further comprises the step of selecting nodes for said point-to-point links as a function of said global position information.

28. (New) The method of claim 25, wherein said information about said location of said direct neighbors further includes information indicating an age of the location information of at least some of the nodes of the network.